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**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/467,397**DATE: 09/06/95
TIME: 11:54:39**INPUT SET: S6015.raw**

This Raw Listing contains the General
Information Section and up to the first 5 pages.

#2

1 **SEQUENCE LISTING**
2
3 (1) General Information:
4
5 (i) APPLICANT: Frank, Bruce L.
6 Roberts, Peter C.
7 Goodchild, John
8 Craig, J. Charles
9 Mills, John S.
10 Slade, Andrew
11 Roberts, Noel A.
12 Jupp, Raymond
13
14 (ii) TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR HEPATITIS
15 B VIRUS
16
17 (iii) NUMBER OF SEQUENCES: 56
18
19 (iv) CORRESPONDENCE ADDRESS:
20 (A) ADDRESSEE: Lappin & Kusmer
21 (B) STREET: 200 State Street
22 (C) CITY: Boston
23 (D) STATE: MA
24 (E) COUNTRY: USA
25 (F) ZIP: 02109
26
27 (v) COMPUTER READABLE FORM:
28 (A) MEDIUM TYPE: Floppy disk
29 (B) COMPUTER: IBM PC compatible
30 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
31 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
32
33 (vi) CURRENT APPLICATION DATA:
34 (A) APPLICATION NUMBER: US
35 (B) FILING DATE:
36 (C) CLASSIFICATION:
37
38 (viii) ATTORNEY/AGENT INFORMATION:
39 (A) NAME: Kerner, Ann-Louise
40 (B) REGISTRATION NUMBER: 33,523
41 (C) REFERENCE/DOCKET NUMBER: HYZ-041
42
43 (ix) TELECOMMUNICATION INFORMATION:
44 (A) TELEPHONE: 617-330-1300
45 (B) TELEFAX: 617-330-1311
46**ENTERED**

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/467,397DATE: 09/06/95
TIME: 11:54:42

INPUT SET: S6015.raw

47
48 (2) INFORMATION FOR SEQ ID NO:1:
49
50 (i) SEQUENCE CHARACTERISTICS:
51 (A) LENGTH: 20 base pairs
52 (B) TYPE: nucleic acid
53 (C) STRANDEDNESS: single
54 (D) TOPOLOGY: linear
55
56 (ii) MOLECULE TYPE: DNA
57
58 (iii) HYPOTHETICAL: NO
59
60 (iv) ANTI-SENSE: YES
61
62 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
63
64 GGTGCGCAGA CCAATTTATG 20
65
66 (2) INFORMATION FOR SEQ ID NO:2:
67
68 (i) SEQUENCE CHARACTERISTICS:
69 (A) LENGTH: 19 base pairs
70 (B) TYPE: nucleic acid
71 (C) STRANDEDNESS: single
72 (D) TOPOLOGY: linear
73
74 (ii) MOLECULE TYPE: DNA
75
76 (iii) HYPOTHETICAL: NO
77
78 (iv) ANTI-SENSE: YES
79
80 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
81
82 CATGGTGCTG GTGCGCAGA 19
83
84 (2) INFORMATION FOR SEQ ID NO:3:
85
86 (i) SEQUENCE CHARACTERISTICS:
87 (A) LENGTH: 20 base pairs
88 (B) TYPE: nucleic acid
89 (C) STRANDEDNESS: single
90 (D) TOPOLOGY: linear
91
92 (ii) MOLECULE TYPE: DNA
93
94 (iii) HYPOTHETICAL: NO
95
96 (iv) ANTI-SENSE: YES
97
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
99

INPUT SET: S6015.raw

20

100 GAAAAAGTTG CATGGTGCTG

101

102 (2) INFORMATION FOR SEQ ID NO:4:

103

104 (i) SEQUENCE CHARACTERISTICS:
105 (A) LENGTH: 20 base pairs
106 (B) TYPE: nucleic acid
107 (C) STRANDEDNESS: single
108 (D) TOPOLOGY: linear

109

110 (ii) MOLECULE TYPE: DNA

111

112 (iii) HYPOTHETICAL: NO

113

114 (iv) ANTI-SENSE: YES

115

116 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

117

118 GAGGTGAAAA AGTTGCATGG

20

119

120 (2) INFORMATION FOR SEQ ID NO:5:

121

122 (i) SEQUENCE CHARACTERISTICS:
123 (A) LENGTH: 20 base pairs
124 (B) TYPE: nucleic acid
125 (C) STRANDEDNESS: single
126 (D) TOPOLOGY: linear

127

128 (ii) MOLECULE TYPE: DNA

129

130 (iii) HYPOTHETICAL: NO

131

132 (iv) ANTI-SENSE: YES

133

134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

135

136 AGGCAGAGGT GAAAAAGTTG

20

137

138 (2) INFORMATION FOR SEQ ID NO:6:

139

140 (i) SEQUENCE CHARACTERISTICS:
141 (A) LENGTH: 12 base pairs
142 (B) TYPE: nucleic acid
143 (C) STRANDEDNESS: single
144 (D) TOPOLOGY: linear

145

146 (ii) MOLECULE TYPE: DNA

147

148 (iii) HYPOTHETICAL: NO

149

150 (iv) ANTI-SENSE: YES

151

152 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/467,397**DATE: 09/06/95
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153
154 AGGCAGAGGT GA 12
155
156 (2) INFORMATION FOR SEQ ID NO:7:
157
158 (i) SEQUENCE CHARACTERISTICS:
159 (A) LENGTH: 20 base pairs
160 (B) TYPE: nucleic acid
161 (C) STRANDEDNESS: single
162 (D) TOPOLOGY: linear
163
164 (ii) MOLECULE TYPE: DNA
165
166 (iii) HYPOTHETICAL: NO
167
168 (iv) ANTI-SENSE: YES
169
170 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
171
172 AGAGATGATT AGGCAGAGGT 20
173
174 (2) INFORMATION FOR SEQ ID NO:8:
175
176 (i) SEQUENCE CHARACTERISTICS:
177 (A) LENGTH: 30 base pairs
178 (B) TYPE: nucleic acid
179 (C) STRANDEDNESS: single
180 (D) TOPOLOGY: linear
181
182 (ii) MOLECULE TYPE: DNA
183
184 (iii) HYPOTHETICAL: NO
185
186 (iv) ANTI-SENSE: YES
187
188 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
189
190 GACATGAACA AGAGATGATT AGGCAGAGGT 30
191
192 (2) INFORMATION FOR SEQ ID NO:9:
193
194 (i) SEQUENCE CHARACTERISTICS:
195 (A) LENGTH: 20 base pairs
196 (B) TYPE: nucleic acid
197 (C) STRANDEDNESS: single
198 (D) TOPOLOGY: linear
199
200 (ii) MOLECULE TYPE: DNA
201
202 (iii) HYPOTHETICAL: NO
203
204 (iv) ANTI-SENSE: YES
205

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206 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

207
208 GACATGTACA AGAGATGATT

20

209
210 (2) INFORMATION FOR SEQ ID NO:10:211
212 (i) SEQUENCE CHARACTERISTICS:
213 (A) LENGTH: 20 base pairs
214 (B) TYPE: nucleic acid
215 (C) STRANDEDNESS: single
216 (D) TOPOLOGY: linear217
218 (ii) MOLECULE TYPE: DNA219
220 (iii) HYPOTHETICAL: NO221
222 (iv) ANTI-SENSE: YES223
224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:225
226 GTAGGACATG AACAAAGAGAT

20

227
228 (2) INFORMATION FOR SEQ ID NO:11:229
230 (i) SEQUENCE CHARACTERISTICS:
231 (A) LENGTH: 20 base pairs
232 (B) TYPE: nucleic acid
233 (C) STRANDEDNESS: single
234 (D) TOPOLOGY: linear235
236 (ii) MOLECULE TYPE: DNA237
238 (iii) HYPOTHETICAL: NO239
240 (iv) ANTI-SENSE: YES241
242 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:243
244 TTGGAGGCTT GAACAGTAGG

20

245
246 (2) INFORMATION FOR SEQ ID NO:12:247
248 (i) SEQUENCE CHARACTERISTICS:
249 (A) LENGTH: 20 base pairs
250 (B) TYPE: nucleic acid
251 (C) STRANDEDNESS: single
252 (D) TOPOLOGY: linear253
254 (ii) MOLECULE TYPE: DNA255
256 (iii) HYPOTHETICAL: NO257
258 (iv) ANTI-SENSE: YES

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**SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/467,397**

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Line	Error	Original Text
34	Wrong application Serial Number	(A) APPLICATION NUMBER: US